

What is claimed is:

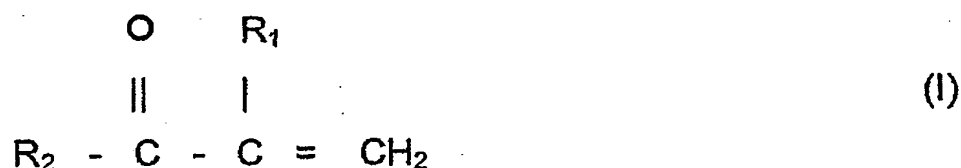
1. A functional syrup based on methyl methacrylate,

5 characterized in that

the binders are a partial polymer composed of the following components:

10 A) proportions of from 90-99.9% by weight (based on the entire polymer P) of methyl methacrylate

15 B) from 0.1 to 10% by weight (based on the entire polymer P) of one or more monomers of the formula I capable of free-radical polymerization



20 where  $\text{R}_1$  is hydrogen or methyl and  $\text{R}_2$  is a moiety having a functional group and selected from one of the following types a) to g)

25 a) the OH group

b) an  $\text{NR}_3$  group, where  $\text{R}_3$  and  $\text{R}_4$ , independently



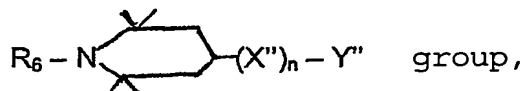
30 of one another, are hydrogen or an unbranched or, if appropriate, branched alkyl moiety having from 1 to 6 carbon atoms, or where  $\text{R}_3$  together with  $\text{R}_4$ , with involvement of the nitrogen and, if

appropriate, together with further nitrogen or oxygen atoms, form a five- or six-membered heterocyclic system

5 c) an  $R'_3R'_4N-X-Y$  - group, where X is a linear or, if appropriate, branched, if appropriate cyclic alkylene group having from 2 to a total of 10 carbon atoms, Y is oxygen or an  $-NR_5-$  moiety, and  $R'_3$  and  $R'_4$  are defined as for  $R_3$  and  $R_4$ , and  $R_5$  is hydrogen or an alkyl moiety having from 1 to 6 carbon atoms, or

10 d) an  $HO-X'-Y'$  group, where  $X'$  and  $Y'$  are defined as for X and Y

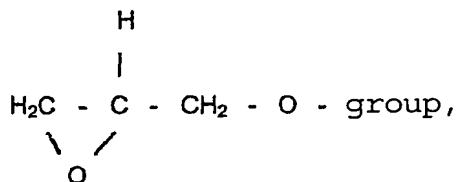
15 e) an



20 where  $X''$  and  $Y''$  are defined as for X and Y, n is zero or one, and  $R_6$  is hydrogen or an alkyl moiety having from 1 to 6 carbon atoms

25 f) an  $(R_7O)_3-Si-X'''-Y'''$  group, where  $R_7$  is an alkyl moiety having from 1 to 6 carbon atoms, and  $X'''$  and  $Y'''$  are defined as for X and Y

30 g) an



and in that the monomers are polymerized to an extent of 20%.

2. The functional syrup as claimed in claim 1,

characterized in that

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the viscosity of the syrup is from 10-80 (6 mm Ford cup).

3. A colorant concentrate for the coloring of  
10 plastics comprising a colorant dispersed in a polymeric syrup,

characterized in that

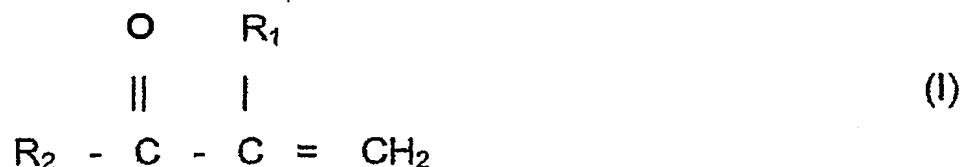
15 the polymeric binder is a partial polymer composed of the following components:

A) proportions of from 90-99.9% by weight (based  
on the entire polymer P) of methyl methacrylate

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B) from 0.1 to 10% by weight (based on the entire  
polymer P) of one or more monomers of the  
formula I capable of free-radical  
polymerization

25



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where  $\text{R}_1$  is hydrogen or methyl and  $\text{R}_2$  is a moiety having a functional group and selected from one of the following types a) to g)

a) the OH group

- b) an  $\text{NR}_3$  group, where  $\text{R}_3$  and  $\text{R}_4$ , independently

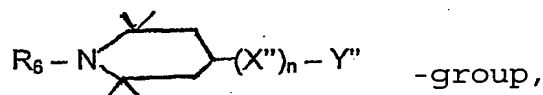


of one another, are hydrogen or an unbranched or, if appropriate, branched alkyl moiety having from 1 to 6 carbon atoms, or where  $\text{R}_3$  together with  $\text{R}_4$ , with involvement of the nitrogen and, if appropriate, together with further nitrogen or oxygen atoms, form a five- or six-membered heterocyclic system

- c) an  $\text{R}'_3\text{R}'_4\text{N-X-Y}$  - group, where X is a linear or, if appropriate, branched, if appropriate cyclic alkylene group having from 2 to a total of 10 carbon atoms, Y is oxygen or an  $-\text{NR}_5-$  moiety, and  $\text{R}'_3$  and  $\text{R}'_4$  are defined as for  $\text{R}_3$  and  $\text{R}_4$ , and  $\text{R}_5$  is hydrogen or an alkyl moiety having from 1-6 carbon atoms, or

- d) an  $\text{HO-X'-Y'}$  group, where  $\text{X'}$  and  $\text{Y'}$  are defined as for X and Y

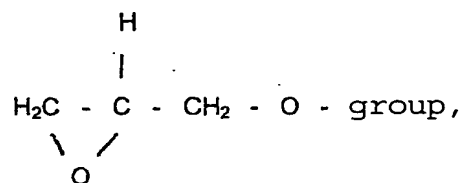
- e) an



where  $\text{X}''$  and  $\text{Y}''$  are defined as for X and Y, n is zero or one, and  $\text{R}_6$  is hydrogen or an alkyl moiety having from 1 to 6 carbon atoms

- f) an  $(\text{R}_7\text{O})_3\text{-Si-X}'''\text{-Y}'''$  group, where  $\text{R}_7$  is an alkyl moiety having from 1 to 6 carbon atoms, and  $\text{X}'''$  and  $\text{Y}'''$  are defined as for X and Y

g) an



and in that the polymer is polymerized to 20% conversion.

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4. A plastics molding, produced using the functional syrup as claimed in claim 1.